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Docket No. 1293.1837

IN THE CLAIMS:

The text of all pending claims (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1, 2, 4, 8, 10, 11, 13, 14, 15, 19, 21, 22, 23, 25 and 27, and CANCEL claims 20, 24, and 26 without prejudice or disclaimer in accordance with the following:

1. (CURRENTLY AMENDED) An apparatus for controlling functions of an image processing apparatus using a remote control, the apparatus comprising:
 - a remote control signal receiver receiving a remote control signal output from the remote control;
 - a memory unit storing code information corresponding to the remote control signal and additional function information of the image processing apparatus determined based on the frequency of use of the image processing apparatus;
 - a controller controlling the additional function information stored in the memory unit to be displayed and controlling an additional function that is selected based on the displayed additional function information to be performed if the remote control signal received via the remote control signal receiver is a signal for requesting the additional function information, and controlling a function corresponding to a major function information to be performed if the remote control signal is the major function information;
 - a display unit displaying the additional function information controlled by the controller, and
 - the additional function information stored in the memory unit is updated whenever the functions of the image processing apparatus are updated or a new function is added to the image processing apparatus,

wherein the major function information is set based on at least one function which is frequently used in the image processing apparatus, and the additional function information is set based on at least one function which is not frequently used in the image processing apparatus, to minimize a number of buttons on the remote control.
2. (CURRENTLY AMENDED) The apparatus of claim 1, further comprising an on-screen-display (OSD) processor, controlled by the controller, generating OSD data corresponding to the additional function information, and outputting the OSD data to the display unit,

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wherein the remote control signal is one of a selection signal or position information, and wherein if the remote control signal is position information, the position information is input using directional keys located around a selection button and discloses a position of additional function information to be selected, and

wherein the additional function information includes numeric displays in place of numeric buttons to minimize the number of buttons.

3. (ORIGINAL) The apparatus of claim 2, wherein the OSD data is processed by an existing OSD processing circuit in the image processing apparatus.

4. (CURRENTLY AMENDED) The apparatus of claim 42, wherein in response to the controller receiving a selection signal corresponding to desired additional function information, the controller marks the desired additional function information selected among the displayed additional function information.

5. (ORIGINAL) The apparatus of claim 4, wherein the controller marks the desired additional function information selected by making the desired information darker or lighter than unselected additional function information.

6. (ORIGINAL) The apparatus of claim 4, wherein the controller marks the desired additional function information selected by making the desired information a different color than unselected additional function information.

7. (CANCELLED)

8. (CURRENTLY AMENDED) The apparatus of claim 42, wherein the apparatus comprises an infrared ray receiving circuit.

9. (ORIGINAL) The apparatus of claim 8, wherein the remote control comprises an infrared ray transmitting circuit.

10. (CURRENTLY AMENDED) The apparatus of claim 42, wherein the additional function information is modified without modifying the remote control.

11. (CURRENTLY AMENDED) The apparatus of claim 42, further comprising directional keys provided on the remote control, with which a user selects from the displayed

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additional function information.

12. (ORIGINAL) The apparatus of claim 11, further comprising a selection button provided along with the directional keys.

13. (CURRENTLY AMENDED) A method of controlling the functions of an image processing apparatus using a remote control, the method comprising:
parsing a received remote control signal received from the remote control to determine whether the remote control signal is related to major function information or additional function information;

displaying information for available additional functions on the image processing apparatus if the remote control signal contains a request for displaying the additional function information;

performing a function of the image processing apparatus which corresponds to a selection signal in response to the selection signal being received from the remote control while the additional function information is displayed; and

performing a function of the image processing apparatus which corresponds to the received remote control signal if the received remote control signal is major function information, not requested for displaying the information of additional function,

wherein the information of additional function is determined based on the frequency of use of the image processing apparatus, and

updating the additional function information stored in the a memory unit is updated whenever the functions of the image processing apparatus are updated or a new function is added to the image processing apparatus,

wherein the major function information is set based on at least one function which is frequently used in the image processing apparatus, and the additional function information is set based on at least one function which is not frequently used in the image processing apparatus, to minimize a number of buttons of the remote control.

14. (CURRENTLY AMENDED) The method of claim 13, wherein the additional function information is displayed as OSD data,

wherein the remote control signal is one of a selection signal or position information, and

wherein if the remote control signal is position information, the position information is input using directional keys located around a selection button and discloses a position of additional function information to be selected, and

wherein the additional function information includes numeric displays in place of numeric

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buttons to minimize a number of buttons.

15. (CURRENTLY AMENDED) The method of claim 4314, wherein in response to receiving position information for selecting desired additional function information among the additional function information displayed, a position for the selected additional function information is marked on the displayed additional function information so that a user can perceive the selected additional function information.

16. (ORIGINAL) The method of claim 15, wherein the selected additional function information is marked by making it darker or lighter than remaining displayed additional function information.

17. (ORIGINAL) The method of claim 15, wherein the selected additional function information is marked by making it a different color than remaining displayed additional function information.

18. (CANCELLED)

19. (CURRENTLY AMENDED) The method of claim 4314, wherein the parsing of the received remote control signal comprises differentiating between major functions and the available additional functions.

20. (CANCELED)

21. (CURRENTLY AMENDED) An apparatus controlling functions of an image processing apparatus using a remote control, the apparatus comprising:
a memory unit storing code information corresponding to a remote control signal from the remote control and additional function information of the image processing apparatus determined based on a frequency of use of the image processing apparatus;
a controller differentiating between major functions and additional functions in response to receiving a signal from the remote control, and causing additional function information to be displayed, and causing an additional function that is selected based on the displayed additional function information to be performed if a remote control signal received via the remote control is a signal for requesting the additional function information, and controls a function corresponding to a major function information to be performed if the remote control signal is the major function information; and

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a display unit displaying the additional function information controlled by the controller, wherein the additional function information stored in the memory unit is categorized as such based on the frequency of use of the function information, and

the additional function information stored in the memory unit is updated whenever the functions of the image processing apparatus are updated or a new function is added to the image processing apparatus,

wherein the major function information is set based on at least one function which is frequently used in the image processing apparatus, and the additional function information is set based on at least one function which is not frequently used in the image processing apparatus, to minimize a number of buttons of the remote control.

22. (CURRENTLY AMENDED) The apparatus of claim 42, wherein if a code corresponding to the remote control signal received by the remote control signal receiver is not stored in the memory unit, the controller ignores the remote control signal.

23. (CURRENTLY AMENDED) The method of claim 43, wherein if a code corresponding to the remote control signal received by the remote control signal receiver is not stored in the memory unit, the method further comprises ignoring the remote control signal.

24. (CANCELED)

25. (CURRENTLY AMENDED) The apparatus of claim 24, wherein if a code corresponding to the remote control signal from the remote control is not stored in the memory unit, the controller ignores the remote control signal.

26. (CANCELED)

27. (CURRENTLY AMENDED) The apparatus of claim 21, the apparatus comprises an on-screen-display (OSD) processor, controlled by the controller, generating OSD data corresponding to the additional function information, and outputting the OSD data to the display unit,

wherein the remote control signal is one of a selection signal or position information, and wherein if the remote control signal is position information, the position information is input using directional keys located around a selection button and discloses a position of additional function information to be selected, and

wherein the additional function information includes numeric displays in place of numeric

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buttons to minimize a number of buttons.